

Machinery and installations for animal husbandry (IVth Year of study, VIIIth Semester)

Credit value (ECTS) 4

Course category

Speciality (Imposed)

Course holder:

Lecturer Dr. Constantin CHIRILĂ

Discipline objectives (course and practical works)

The discipline aims to make students acquire basic theoretical knowledge concerning the construction and exploitation of machines and installations, used for animal husbandry;

Capacity building recognition by students the machines and installations for animal husbandry and knowledge of the main adjustments to these.

Contents (syllabus)

Course (chapters/subchapters)
Mechanization to obtain fodders;
Mechanization of for harvesting forage;
Machinery and equipment for preparation of feed;
Machinery and equipment for distribution of animal feed
Water supply to farms and and distributing water to the animals;
Equipment for cleaning and disinfecting shelters;
Machines for harvesting of products obtained from animals
Machines and installations for conditioning and processing of primary products obtained from animals;
Incubators for eggs;
Use of electricity in livestock farming;

Practical works
Work safety rules;
Constructive and functional study regarding the machinery for obtaining fodder
Constructive and functional study regarding the harvesting forage equipments;
Constructive and functional study regarding the machinery for preparation and distribution of fodders at animals;
Constructive and functional study regarding the water supply to farms and and distributing water to the animals;
Constructive and functional study regarding the equipment for manure removal;
Constructive and functional study regarding the milking equipments;
Constructive and functional study regarding the installations for sheep shearing;
Constructive and functional study regarding the machines and installations for conditioning and processing of primary products obtained from animals;
Study regarding the use of electricity in livestock farming;

Knowledge assessment

Bibliography

1. Chirilă C., – Organe de mașini și mecanisme – Note de curs.;
2. Balan O., 2001 – Mecanizarea integrală a lucrărilor în fermele pentru vaci de lapte – Zootehnie și Medicină Veterinară, Nr. 4.
3. Bărbieru V.A., 2006 - Mașini și instalații zootehnice -construcție, funcționare și reglaje – Editura Risoprint, Cluj-Napoca.
4. Bungescu S. T, Popa, C. I., 2007 - Mașini și instalații zootehnice - Editura Eurobit, Timișoara
5. Căproiu Magdalena și col., 1982 - Mașini și instalații zootehnice. Editura Didactică și Pedagogică, București.

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Exam	written assessment	65%
Appreciation of the activity during the semester	Oral assessment during the semester, verification tests and final laboratory colloquium.	35%

Contact

Lecturer Dr. Constantin CHIRILĂ

Faculty of Agriculture - USAMV Iași

Aleea Mihail Sadoveanu nr. 3, Iași, 700490, Romania

telefon: 0040 232 407560, fax: 0040 232 219175

E-mail: chirilac@uaiasi.ro